

Apparatus for Performing Device Communication and Method for Operating the Same

ABSTRACT OF THE DISCLOSURE

5 An apparatus and an associated method of operation is provided for performing
device communication in accordance with a standard protocol, while enabling deviation
from the device communication without termination or corruption of the device
communication. The apparatus incorporates a pair of state machines configured to
provide standard protocol communication with interrupt capability. A first state machine
10 functions to perform the communication process in accordance with the standard
protocol. The first state machine is also configured to deviate from the communication
process in order to perform another requested task. A second state machine functions to
monitor the communication process being performed by the first state machine. Upon
completion of the other requested task by the first state machine, a state of the
15 communication process is provided by the second state machine to enable the
communication process to be continued by the first state machine.